

CLAIMS

What is claimed is:

1. A lightweight, compact, adjustable and portable support stand for supporting an end of a piece of material to
5 be worked on by a machine, comprising:

a compact stand portion;

a roller adapted to support a first end of an elongated piece of material, said roller in longitudinal complementary attachment to said compact stand portion; and

10 means for supporting said roller relative to the stand portion, said supporting means in cooperative attachment to the stand portion;

whereby upon said first end of said piece of material being placed upon and supported by said roller, a second end of
15 said piece of material may be worked on by said machine, said first end being raised to substantially the same height as said second end.

2. The support stand of claim 1, wherein the stand
20 portion includes first and second diametrically opposed indented sections, and wherein the means for supporting said roller relative to the stand portion comprises:

a first roller support bar having a top end and a bottom end;

a second roller support bar having a top end and a bottom end, whereby said roller support bars include one or more roller receiving orifices adapted to receive and support an end of said roller, and the bottom ends of said roller support bars
5 are received within their respective indented sections of the stand portion;

a first bracket and a second bracket, wherein the first bracket secures the first roller support bar to the first indented section and the second bracket secures the second
10 roller support bar to the second indented section; and

means for securing the roller support bars between the brackets and the indented sections of the stand portion.

3. The support stand of claim 2 wherein said first and
15 second roller support bars may be removed and replaced by roller support bars of different heights thereby adjusting the height of said roller and said piece of material supported thereon.

20 4. The support stand of claim 2 wherein said first and second roller support bars may be cut to a predetermined height to substantially match the height of said second end of said piece of material.

5. The support of claim 2, wherein the means for securing the roller support bars comprises a nut and bolt combination on either side of the bottom end of each bar.

5 6. The support of claim 2, further comprising means located on the stand portion for attaching the stand portion to a table or workbench.

7. The support stand of claim 6 further comprising L-
10 shaped brackets each including a vertical portion joined along its bottom end to a horizontal portion, said vertical portion of each L-shaped bracket forming said means for securing said roller support bars, and said horizontal portion of each L-shaped bracket forming said table attaching means for attaching
15 said stand portion to a table or workbench.

8. The support stand of claim 7 wherein said roller support bar securing means and said table attaching means further comprise a complementary nut and bolt attachment.

20 9. The support stand of claim 1, wherein the stand portion is substantially O-shaped.

10. The support stand of claim 1, wherein the stand
25 portion is substantially square.

11. The support stand of claim 1, wherein the stand portion is substantially rectangular.

5 12. The support stand of claim 1, wherein the bottom surface of the stand portion comprises a non-marring material.

13. The support stand of claim 12, wherein the non-marring material is a rubberized paint.

10 14. The support stand of claim 1, further comprising a guide member removably affixed to a side of the stand portion, said guide member for providing aligning support for said piece of material.

15 15. The support stand of claim 14, wherein the guide member includes a cut-out portion to receive an end of said roller.

20 16. The support stand of claim 1, wherein the stand portion further comprises means for directly attaching the roller longitudinally to the stand portion in a lowered, off-center orientation to allow for multiple support stands to be stacked upon each other.

17. The support stand of claim 2 wherein said roller further comprises one or more internal springs to facilitate removal and insertion of the ends of said roller within said roller receiving orifices.

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18. A portable support system for supporting a piece of material being worked upon by a machine, comprising a plurality of support stands wherein each said support stand comprises:

a compact stand portion;

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a roller adapted to support a portion of an elongated piece of material, said roller in longitudinal complementary attachment to said compact stand portion; and

means for supporting said roller relative to the stand portion, said supporting means in cooperative attachment to the

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stand portion;

whereby upon said portion of said elongated piece of material being placed upon and supported by said roller, an end of said piece of material may be worked on by said machine, said portion being raised to substantially the same height as

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said end.

19. A lightweight, compact, adjustable and portable support stand for supporting an end of a piece of material to be worked on by a machine, comprising:

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a compact stand portion;

a plurality of rollers adapted to support a first end of an elongated piece of material, said plurality of rollers in longitudinal complementary attachment to said compact stand portion; and

5 means for supporting said plurality of rollers relative to the stand portion, said supporting means in cooperative attachment to the stand portion;

whereby upon said first end of said piece of material being placed upon and supported by said plurality of rollers, a second end of said piece of material may be worked on by said machine, said first end being raised to substantially the same height as said second end.